

Title (en)
MARKER SYSTEM AND RELATED STEREOTACTIC PROCEDURE

Title (de)
MARKIERUNGSSYSTEM UND DAMIT VERWANDTES STEREOTAKTISCHES VERFAHREN

Title (fr)
SYSTEME DE MARQUAGE ET PROCEDURE STEREOTACTIQUE ASSOCIEE

Publication
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Application
EP 97917827 A 19970414

Priority

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Abstract (en)
[origin: EP1279369A2] Repeat fixation for medical procedures is accomplished using a non-invasive locator, specifically a bite plate (26). The bite plate (26) has at least three fiducial markers (38) on it. The fiducial markers (38) may be LEDs, radiopaque markers for angiography or computerized tomography (CT) imaging or magnetic resonance markers for magnetic resonance (MR) imaging. By detecting the position of the markers (38), the position of features within the patient (14) (such as a brain tumor or other intracranial target to which radiation is to be applied) can be determined with great precision. Since the bite plate (26) has been molded to uniquely fit to the patient's teeth, it may be removed after an initial imaging of the patient (14). The bite plate (26) may then re-attached one or more times to the teeth and the location of the features will be in a known position relative to the sensed markers. <IMAGE>

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